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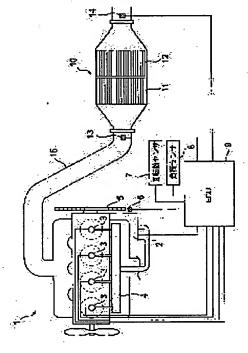
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(54) EXHAUST EMISSION CONTROL DEVICE FOR INTERNAL COMBUSTION ENGINE

(57)Abstract:

PROBLEM TO BE SOLVED: To effectively prevent the deterioration of the fuel consumption of an engine caused by the clogging of a filter, and the cracking and damage of a filter caused by the abnormal combustion with respect to a continuous regeneration—type particulate filter.

SOLUTION: A DPF 10 is mounted on an exhaust pipe 15 of the engine 1. Signals from a rotating speed sensor 7, an opening of accelerator sensor 8 or the like are taken in a controller 9, an exhaust amount of the particulate and a combustion amount are respectively calculated on the basis of a particulate exhausting amount map and a combustion amount map, and an accumulation amount of particulate captured by the DPF 10 is calculated by integrating the difference therebetween. When the accumulation amount is over a predetermined amount, a temperature of the exhaust is raised by the afterinjection of the fuel or the like to burn the accumulated particulate and to regenerate the DPF 10.



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